Zhiming Liu

List of Publications by Year in descending order

46 papers	1,994 citations	331538 21 h-index	243529 44 g-index
46 all docs	46 docs citations	46 times ranked	3146 citing authors

#	Article	IF	Citations
1	Hydrophobic carbon dots with blue dispersed emission and red aggregation-induced emission. Nature Communications, 2019, 10, 1789.	5.8	419
2	Multifunctional Nanoplatform Based on Black Phosphorus Quantum Dots for Bioimaging and Photodynamic/Photothermal Synergistic Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 25098-25106.	4.0	191
3	A facile and one-pot synthesis of fluorescent graphitic carbon nitride quantum dots for bio-imaging applications. New Journal of Chemistry, 2017, 41, 3930-3938.	1.4	120
4	Facile synthesis of black phosphorusâ€“Au nanocomposites for enhanced photothermal cancer therapy and surface-enhanced Raman scattering analysis. Biomaterials Science, 2017, 5, 2048-2055.	2.6	100
5	A two-dimensional fingerprint nanoprobe based on black phosphorus for bio-SERS analysis and chemo-photothermal therapy. Nanoscale, 2018, 10, 18795-18804.	2.8	86
6	Phase-controlled synthesis of molybdenum oxide nanoparticles for surface enhanced Raman scattering and photothermal therapy. Nanoscale, 2018, 10, 5997-6004.	2.8	85
7	Characterization and noninvasive diagnosis of bladder cancer with serum surface enhanced Raman spectroscopy and genetic algorithms. Scientific Reports, 2015, 5, 9582.	1.6	79
8	Fabrication of Graphene and AuNP Core Polyaniline Shell Nanocomposites as Multifunctional Theranostic Platforms for SERS Real-time Monitoring and Chemo-photothermal Therapy. Theranostics, 2016, 6, 1096-1104.	4.6	73
9	In situ photothermal activation of necroptosis potentiates black phosphorus-mediated cancer photo-immunotherapy. Chemical Engineering Journal, 2020, 394, 124314.	6.6	66
10	Redox responsive nanoparticle encapsulating black phosphorus quantum dots for cancer theranostics. Bioactive Materials, 2021, 6, 655-665.	8.6	56
11	Rapid Intracellular Growth of Gold Nanostructures Assisted by Functionalized Graphene Oxide and Its Application for Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2012, 84, 10338-10344.	3.2	53
12	Dye-free near-infrared surface-enhanced Raman scattering nanoprobes for bioimaging and high-performance photothermal cancer therapy. Nanoscale, 2015, 7, 6754-6761.	2.8	44
13	Black phosphorus-Au filter paper-based three-dimensional SERS substrate for rapid detection of foodborne bacteria. Applied Surface Science, 2019, 497, 143825.	3.1	40
14	Biodegradable Black Phosphorus-based Nanomaterials in Biomedicine: Theranostic Applications. Current Medicinal Chemistry, 2019, 26, 1788-1805.	1.2	38
15	In vitro and in vivo brain-targeting chemo-photothermal therapy using graphene oxide conjugated with transferrin for Gliomas. Lasers in Medical Science, 2016, 31, 1123-1131.	1.0	37
16	Silverâ€“gold core-shell nanoparticles containing methylene blue as SERS labels for probing and imaging of live cells. Mikrochimica Acta, 2012, 178, 229-236.	2.5	35
17	Development of graphene oxide-wrapped gold nanorods as robust nanoplatform for ultrafast near-infrared SERS bioimaging. International Journal of Nanomedicine, 2017, Volume 12, 4349-4360.	3.3	29
18	Carbon Dots with Intrinsic Bioactivities for Photothermal Optical Coherence Tomography, Tumorâ€Specific Therapy and Postoperative Wound Management. Advanced Healthcare Materials, 2022, 11, e2101448.	3.9	29

#	Article	IF	Citations
19	Size-controlled synthesis of fluorescent tungsten oxide quantum dots via one-pot ethanol-thermal strategy for ferric ions detection and bioimaging. Sensors and Actuators B: Chemical, 2018, 255, 290-298.	4.0	28
20	Photo-induced synthesis of molybdenum oxide quantum dots for surface-enhanced Raman scattering and photothermal therapy. Journal of Materials Chemistry B, 2020, 8, 1040-1048.	2.9	28
21	Synthesis of Au NP@MoS2 Quantum Dots Core@Shell Nanocomposites for SERS Bio-Analysis and Label-Free Bio-Imaging. Materials, 2017, 10, 650.	1.3	23
22	Nanocomposite of Au and black phosphorus quantum dots as versatile probes for amphibious SERS spectroscopy, 3D photoacoustic imaging and cancer therapy. Giant, 2021, 8, 100073.	2.5	23
23	Insights into the intracellular behaviors of black-phosphorus-based nanocomposites via surface-enhanced Raman spectroscopy. Nanophotonics, 2018, 7, 1651-1662.	2.9	22
24	Facile hot spots assembly on molybdenum oxide nanosheets via in situ decoration with gold nanoparticles. Applied Surface Science, 2019, 480, 1162-1170.	3.1	21
25	NIR-II Responsive Molybdenum Dioxide Nanosystem Manipulating Cellular Immunogenicity for Enhanced Tumor Photoimmunotherapy. Nano Letters, 2022, 22, 4741-4749.	4.5	21
26	SERS analysis of carcinoma-associated fibroblasts in a tumor microenvironment based on targeted 2D nanosheets. Nanoscale, 2020, 12, 2133-2141.	2.8	20
27	Lamellar hafnium ditelluride as an ultrasensitive surface-enhanced Raman scattering platform for label-free detection of uric acid. Photonics Research, 2021, 9, 1039.	3.4	19
28	pHâ€dependent surfaceâ€enhanced Raman scattering of aromatic molecules on graphene oxide. Journal of Raman Spectroscopy, 2013, 44, 75-80.	1.2	18
29	Few-Layer NbTe₂ Nanosheets as Substrates for Surface-Enhanced Raman Scattering Analysis. ACS Applied Nano Materials, 2020, 3, 11363-11371.	2.4	17
30	Insights into the deep-tissue photothermal therapy in near-infrared II region based on tumor-targeted MoO2 nanoaggregates. Science China Materials, 2020, 63, 1085-1098.	3.5	17
31	Biological pH sensing based onÂthe environmentally friendly Raman technique through a polyaniline probe. Analytical and Bioanalytical Chemistry, 2017, 409, 1387-1394.	1.9	16
32	Rapid label-free SERS detection of foodborne pathogenic bacteria based on hafnium ditelluride-Au nanocomposites. Journal of Innovative Optical Health Sciences, 2020, 13, .	0.5	15
33	Quantitative optical coherence tomography of skin lesions induced by different ultraviolet B sources. Physics in Medicine and Biology, 2010, 55, 6175-6185.	1.6	14
34	Molybdenum oxide nano-dumplings with excellent stability for photothermal cancer therapy and as a controlled release hydrogel. New Journal of Chemistry, 2019, 43, 14281-14290.	1.4	14
35	Facile synthesis of tannic acid modified NbTe2 nanosheets for effective photothermal ablation of bacterial pathogens. Colloids and Interface Science Communications, 2021, 41, 100383.	2.0	13
36	Black phosphorusâ€“polypyrrole nanocomposites for high-performance photothermal cancer therapy. New Journal of Chemistry, 2019, 43, 8620-8626.	1.4	12

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37	Melanin-Associated Synthesis of SERS-Active Nanostructures and the Application for Monitoring of Intracellular Melanogenesis. Nanomaterials, 2017, 7, 70.	1.9	11
38	Dual-responsive ultrathin 1T-phase niobium telluride nanosheet-based delivery systems for enhanced chemo-photothermal therapy. Journal of Materials Chemistry B, 2021, 9, 8109-8120.	2.9	11
39	2D-PROTACs with augmented protein degradation for super-resolution photothermal optical coherence tomography guided momentary multimodal therapy. Chemical Engineering Journal, 2022, 446, 137039.	6.6	11
40	Investigating the autophagy pathway in silver@gold coreâ€“shell nanoparticles-treated cells using surface-enhanced Raman scattering. Analyst, The, 2018, 143, 3677-3685.	1.7	10
41	Full-Scale Label-Free Surface-Enhanced Raman Scattering Analysis of Mouse Brain Using a Black Phosphorus-Based Two-Dimensional Nanoprobe. Applied Sciences (Switzerland), 2019, 9, 398.	1.3	10
42	Morphologyâ€controlled Synthesis of Molybdenum Oxide with Tunable Plasmon Absorption for Photothermal Therapy of Cancer. ChemNanoMat, 2020, 6, 1407-1416.	1.5	9
43	Quantitative labelâ€free optical technique to analyze the ultrastructure changes and spatiotemporal relationship of enamel induced by Msx2 deletion. Journal of Biophotonics, 2021, 14, e202100165.	1.1	8
44	Facile synthesis of metal-phenolic-coated gold nanocuboids for surface-enhanced Raman scattering. Applied Optics, 2020, 59, 6124.	0.9	3
45	A Correlation Study between Two Adjacent Same-Meridian Acupoints after Laser-Needle Acupuncture with Optical Coherence Tomography and Diffuse Reflectance Spectra. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-14.	0.5	0
46	Facile synthesis of Au@palladium oxide nano-sunflowers for ultrasensitive surface-enhanced Raman scattering analysis. New Journal of Chemistry, 0, , .	1.4	0